BRUHAT BANAGLORE MAHANAGARA PALIKE

Yelahanka Division

Name of work:-Improvements and asphalting of roads and drains at Thirumalanagara ABCD blocked in Ward No-03.

Estimated cost RS:-50.00 Lakh,s

Sl. No.	Description of item,s	Unit	Nos	Dimension L	Dimension B	Dimension D	Quantity	Rate	Amount
1	Removing & Refixing Stone Slabs of drains and Pointing in C.M(1:3).								
	(Page No 25., I.No.5.33 of KPWD S.R 2016-17)								
		Sqm							
	Basic rate	*76.00*							
	Area Wieght age @ 6%	*4.56*							
	Total Rate in Rs	*80.56*							
	7TH Main Sai raam Layout		2	295.00	1.65		973.50		
	Bs slabs for Drain Covering slabs		5	12.00	0.90		54.00		
	7th main to Attur Connect road		2	215.00	0.90		387.00		
							1414.50		
						Deduction for damaged and open 35%	-495.08		
							919.43	**80.56**	**74068.88**
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 1.5 m. excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3								
	(Page No142., I.No.19.1 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	*82.00*							
	Area Wieght age @ 6%	*4.92*							
	Total Rate in Rs	*86.92*							
	Desilting								
	7TH Main Sai raam Layout		2	295.00	0.50	0.55	162.25		
	7th main to Attur Connect road		2	215.00	0.55	0.60	141.90		
	Berm cutting		2	295.00	1.20	0.30	212.40		
			2	215.00	1.00	0.25	107.50		
							624.05	**86.92**	**54242.43**
3	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete do 7.5 cms thick								
	Data rate								
		Sqm							
	Total Rate in Rs	*779.00*							
	Area Wieght age @ 6%	*46.74*							
	Total Rate in Rs	*825.74*							
	for damaged drain						**495.08**		
	CC slabs					(-)	135.45		
							359.63	**825.74**	**296956.75**
4	Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate).								
	CC slabs(35% OF MISSING SLABS)						135.45		
							135.45	**2100.00**	**284445.00**
5	KSRRB M300-14. Excavation for roadwork in all type of soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1.00 km and complete as per specifications. MORTH Specification No.301								
	(Page No 143., I.No.19.14 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	*46.00*							
	Area Wieght age @ 6%	*2.76*							
	Total Rate in Rs	*48.76*							

Description of item.s	Unit	Nos	Dimension			Quantity	Rate	Amount
			L	B	D			
7TH Main Sai raam Layout		1	295.00	5.00	0.35	516.25		
7th main to Attur Connect road		1	*155.00*	7.50	0.40	465.00		
						981.25	**48.76**	**47845.75**
KSRRB M400-6.1. Construction of granular sub-base by providing close graded material, crushed stone aggregates of granite/trap/basalt material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method.Close graded granular sub-base material as per 400-1 For Grading- II Material								
(Page No 155., I.No.20.4.2 of KPWD S.R 2016-17).								
	Cum.							
Basic rate	*1571.00*							
Area Wieght age @ 6%	*94.26*							
Total Rate in Rs	*1665.26*							
7TH Main Sai raam Layout		1	295.00	5.00	0.15	221.25		
7th main to Attur Connect road		1	*155.00*	7.50	0.15	174.38		
						395.63	**1665.26**	**658818.49**
KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406								
(Page No 158., I.No.20.18 of KPWD S.R 2016-17).								
	Cum.							
Basic rate	*1668.00*							
Area Wieght age @ 6%	*100.08*							
Total Rate in Rs	*1768.08*							
7TH Main Sai raam Layout		1	295.00	5.00	0.25	368.75		
7th main to Attur Connect road		1	*155.00*	7.50	0.25	290.63		
						659.38	**1768.08**	**1165827.75**
KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WBM,WMM ,including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per Specifications. MORTH Specification No. 502								
(Page No 161., I.No.21.6 of KPWD S.R 2016-17).								
	Sqm							
Basic rate	*26.00*							
Area Wieght age @ 6%	*1.56*							
Total Rate in Rs	*27.56*							
7TH Main Sai raam Layout		1	295.00	5.00		1475.00		
7th main to Attur Connect road		1	*155.00*	7.50		1162.50		
						2637.50	**27.56**	**72689.50**
KSRRB 500-7. Providing and applying tack coat using 80/100 grade Bitumen (VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm , heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5								
(Page No 161., I.No.21.7 of KPWD S.R 2016-17).								
Basic rate	*11.00*							
Area Wieght age @ 6%	*0.66*							
Total Rate in Rs	*11.66*							
7TH Main Sai raam Layout		1	295.00	5.00		1475.00		
7th main to Attur Connect road		1	*155.00*	7.50		1162.50		
						2637.50	**11.66**	**30753.25**

	Description of item,s	Unit	Nos	Dimension			Quantity	Rate	Amount
				L	B	D			
10	KSRRB M500- 17. Providing, laying dense graded bituminous macadam using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(50mm to 75mm), crushed aggregates of specified grading premixed with 4.5% VG 30 grade bituminous binder and filler, transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500-10 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.507								
	(Page No 163., I.No.21.17.6 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	*6071.00*							
	Area Wieght age @ 6%	*364.26*							
	Total Rate in Rs	*6435.26*							
	7TH Main Sai raam Layout		1	295.00	5.00	0.05	73.75		
	7th main to Attur Connect road		1	*155.00*	7.50	0.05	58.13		
							131.88	**6435.26**	**848649.91**
11	KSRRB M500- 19. Providing, laying bituminousConcrete using 40/60 TPH capacity H.M.P with Mechanical paver Gr-II(30mm to 45mm), crushed aggregates of specified grading premixed with 5.4% VG 30 grade bituminous binder and filler , transporting the hot mix to work site , laying to the required grade,level and alignment, rolling with wheeled , vibratory and tandeem rollers to achieve the desired compaction as per MORTH Table-500.9 including all leads and lift cost of all materials, labour, HOM of machineries complete as per specifications MORTH Specification No.509								
	(Page No 165., I.No.21.22.6 of KPWD S.R 2016-17).								
		Cum.							
	Basic rate	*6859.00*							
	Area Wieght age @ 6%	*411.54*							
	Total Rate in Rs	*7270.54*							
	7TH Main Sai raam Layout		1	295.00	5.00	0.03	44.25		
	7th main to Attur Connect road		1	*155.00*	7.50	0.03	34.88		
							79.13	**7270.54**	**575281.48**
12	Lead for disposal of earth shall be payable at Carriage rates (Lead & Lift) by mechanical means including loading and unloading up to 7kms.								
	(Refer Table, Page No.140)								
		Cum.							
	Basic rate	*90.40*							
	Total Rate in Rs	*90.40*							
					For item no	2	624.05		
					For item no	5	981.25		
							1605.30	**90.40**	**145119.12**
13	KSRRB M800-13. Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803								
	(Page No 185, I.No.24.15 of KPWD S.R 2016-17).								
		Sqm							
	Basic rate	512.00							
	Area Wieght age @ 6%	*30.72*							
	Total Rate in Rs	*542.72*							
	7TH Main Sai raam Layout		*2.00*	*295.00*	*0.10*		*59.00*		
	7th main to Attur Connect road		*2.50*	*155.00*	*0.10*		*38.75*		
							97.75	*542.72*	*53050.88*
								Total RS	*4307749.18*
								KRIDL Charges 3%	*129232.00*
								Labour cess 1%	*43077.49*
								GST 12%	*516929.90*

Description of item.s	Unit	Nos	Dimension			Quantity	Rate	Amount
			L	B	D			
Miscellaneous charges								3011.43
						Grand Total RS		5000000.00
(Rupees Fifty Lakhs only)								

Certificate:-

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per C.S.R. of 2016-17.
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 03

Executive Engineer
Yelahanka Division

Assistant Executive Engineer
Yelahanka New town Sub Division

ADMINISTRATIVELY SANCTIONED FOR Rs. 50.00 lakhs
Rupees Fifty lakhs only

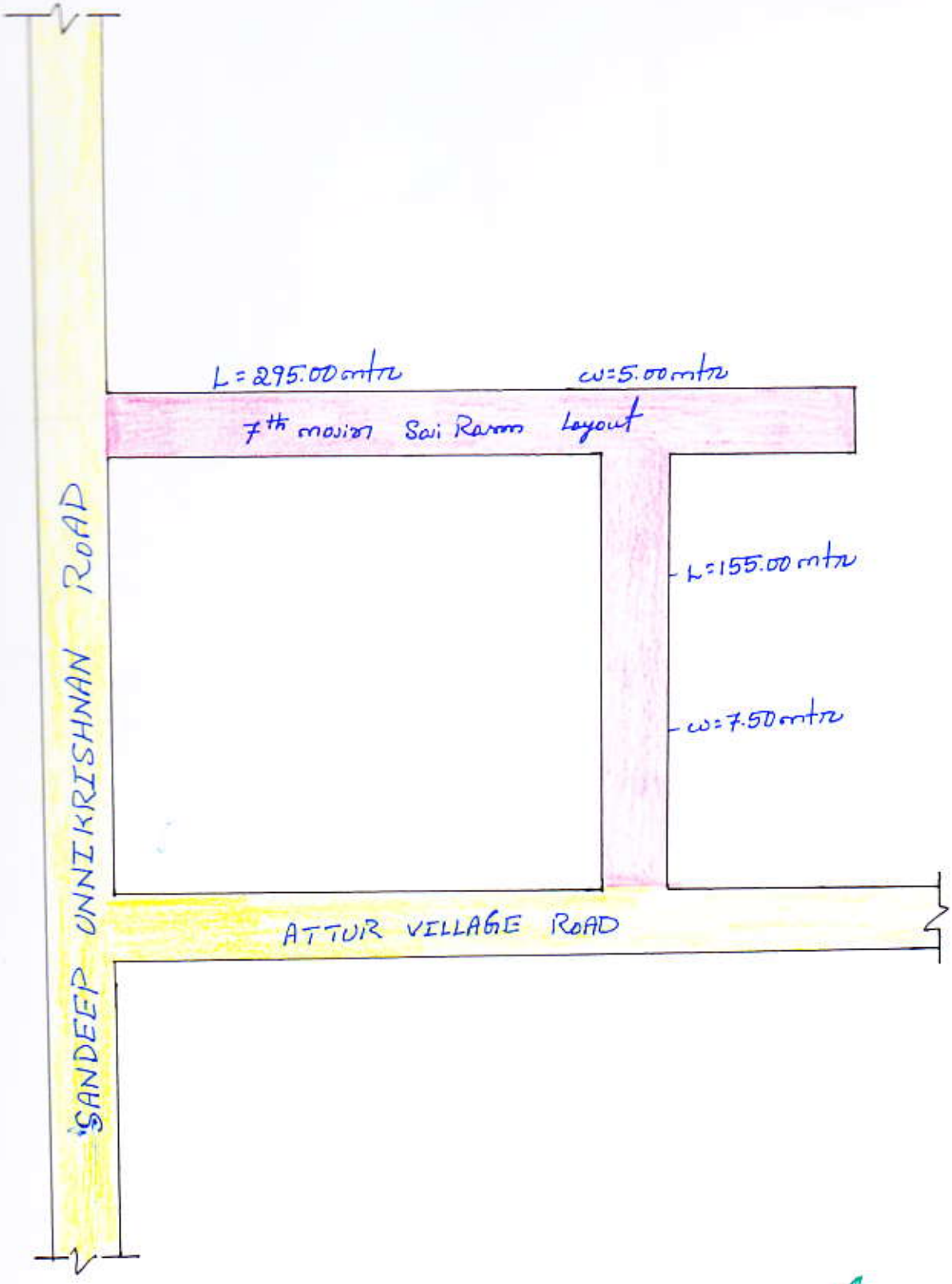
Job No -003-17-000073

A.C(Y)/PWD/AS/495/2017.
7/11/2017. 50.00 lakhs.

Technical Sanction
Accorded For 50.00 lakh Rs.
Head of A/C P0190
CER NO : 250 Dt: 07/11/17

[TA] CE (YNK)

Name of Work :- Improvements and asphalting of roads and drains at Thiruvallur Nagara ABCD blcoked in ward no 03



Ceeraj
AE-01

BRUHAT BANGALORE MAHANAGAR PALIKE
WARD: 3- ATTURU

NOTIFICATION NO: UDD 59 MLR 2007 DATE: 15.07.09

Commr/y
AE-07